IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Date: September 6, 2001
GARY K. LODA, et al.	Prior Group Art Unit: 1744
Serial No.: To be assigned	Prior Examining Attorney: Imad Soubra
Filed: November 10, 2000	Docket No.: SUREB-58450
For: SYSTEM FOR, AND METHOD OF, IRRADIATING OPPOSITE SIDES OF ARTICLES WITH OPTIMAL AMOUNTS OF CUMULATIVE IRRADIATION	Los Angeles, California 90045 [215435.1]

PRELIMINARY AMENDMENT

BOX CPA
Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

This Preliminary Amendment is being filed concurrently with a Divisional

application under 37 CFR 1.53(b), based upon Serial No. 09/710,730, filed November 10,

2000.

EXPRESS MAIL NO. EL737698479US

PLEASE ADD THE FOLLOWING NEW CLAIMS:

34.　(New)　A method of irradiating an article with an optimal amount of radiation

between first and second limits where the second limit is greater than the first limit and where the

first and second limits are greater than zero, including the steps of:

directing radiation to the article,

5　　　　determining whether the article will be receiving an amount of radiation between the first

limit and the second upper limit,

directing the radiation to the article when it is determined that the radiation in the article

will be between the first limit and the second limit, and

reducing the intensity of the radiation directed to the article, when it is determined that

10　the amount of radiation will be above the second limit, so that the reduced amount of radiation

directed to the article will be between the first limit and the second limit.

35.　(New) A method as set forth in claim 34 wherein

the radiation is directed only from a single position and wherein

the intensity of the radiation directed to the article from the single position is reduced,

when it is determined that the amount of radiation will be above the second limit, so that the

5　reduced amount of the radiation directed from the single position will be between the first limit

and the second limit.

36.   (New) A method as set forth in claim 34 wherein

the article has first and second opposite sides and wherein

the radiation is directed to the first and second opposite sides of the article and wherein

the intensity of the cumulative amount of the radiation directed to the first and second

opposite sides of the article is reduced, when it is determined that the cumulative amount of the

radiation will be above the second limit, so that the reduced amount of the cumulative radiation

directed to the first and second opposite sides of the article will be between the first limit and the

second limit.

37.   (New) A method of irradiating an article with an optimal amount of radiation,

including the steps of:

directing radiation to the article,

determining whether the thickness of the article is between first and second values

where the first and second values of thickness are different from zero and where the second value

of thickness is greater than the first value of thickness, and

providing for the reduction in the intensity of the radiation directed to the article,

when the thickness of the article is determined to be between the first and second values, so that

the article will receive an optimal intensity of radiation.

38.   (New) A method as set forth in claim 37 including the step of

providing for no reduction in the intensity of the radiation directed to the article

when the thickness of the article is determined to be less than the first value of thickness or

greater than the second value of thickness.

39.   (New) A method as set forth in claim 38 wherein

the radiation is directed only from a single position and wherein

the intensity of the radiation directed to the article from the single position is

reduced, when it is determined that the thickness of the article is between the first and second

values, so tat the article will receive the optimal intensity of the radiation.

40.   (New) A method as set forth in claim 38 wherein

the article has first and second opposite sides and wherein

the radiation is directed to the first and second opposite sides of the article and

wherein

the cumulative intensity of the radiation directed to the first and second opposite

sides of the article is reduced, when it is determined that the thickness of the article is between

the first and second values so that the article will receive the optimal intensity of the radiation.

41.   (New) A system for irradiating an article with an optimal amount of radiation

regardless of the thickness of the article including

a radiation source for directing radiation to the article,

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a member for reducing the intensity of the radiation directed to the article, and

a microprocessor responsive to the thickness of the article for providing for a

reduction on the member in the intensity of the radiation directed to the article for thicknesses of

the article between first and second values where the first and second values are different from

zero and where the second value is greater than the first value.

42.   (New)   A system as set forth in claim 41 wherein

the microprocessor provides for no reduction in the intensity of the radiation

directed to the article for thicknesses of the article less than the first value and greater than the

third value.

43.   (New)   A system as set forth in claim 41 wherein

the radiation is directed to the article only from a first position and wherein

the intensity of the radiation directed to the article from the first position is

reduced, when it is determined by the microprocessor that the thickness of the article is between

the first and second values, so that the article will receive the optimal intensity of the radiation.

44.   (New)   A method as set forth in claim 41 wherein

the article has first and second opposite sides and wherein

the radiation is directed to the first and second opposite sides of the article and

wherein

5   the cumulative intensity of the radiation directed to the first and second opposite

sides of the article is reduced, when it is determined that the thickness of the article is between

the first and second values, so that the article will receive the optimal intensity of radiation.

45.   (New) A system for irradiating an article with an optimal amount of irradiation

regardless of the thickness of the article, including

a radiation source for directing radiation to the article,

a member positionable relative to the radiation source and the article for varying the

5   intensity of the radiation directed to the article in accordance with the positioning of the member,

and

a microprocessor disposed between the radiation source and the article and responsive to

the thickness of the article for providing for a direction of the radiation to the article without an

intercession of the member for first thicknesses of the article and for providing for an

10   intercession of the member between the radiation source and the article for second thicknesses of

the article different from the first thicknesses to obtain the optimal mount of radiation in the

article.

46.   (New) A system as set forth in claim 45 wherein

the member does not intercede between the radiation source and the article for

thicknesses of the article less than a first thickness of the article and greater than a second

thicknesses where the front thickness and the second thickness are different from zero and where

5   the second thickness is greater than the first thickness and wherein

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the microprocessor provides for an intercession of the article between the radiation source and the article for third thicknesses of the article between the first and second thicknesses.

47.   (New)   A system for irradiating an article with an optimal amount of radiation regardless of the thickness of the article, including

a radiation source for irradiating the article, and

a microprocessor for determining whether the intensity of the irradiation of the article by the radiation from the source will be between a first limit of intensity and a second limit of intensity where the first and second limits are different from zero and where the second limit is greater than the first limit, and

a member responsive to the determination by the microprocessor for reducing the intensity of the radiation from the source to a value between the first limit and the second limit when the microprocessor determines that the intensity of the irradiation of the article by the radiation from the source will be greater than the second intensity.

48.   (New)   A system as set forth in claim 47 wherein

the microprocessor provides for no reduction in the intensity of the irradiation of the article by the source when the microprocessor determines that the intensity of the irradiation is between the first and second limits.

49.   (New)   A system as set forth in claim 47 wherein

the radiation is directed only from a single position and wherein

the intensity of the radiation directed to the article from the single position is reduced

when it is determined that the amount of radiation will be above the second upper limit, so that

5   the reduced amount of the radiation directed from the single position will be between the first

lower limit and the second limit.

50.   (New)   A system as set forth in claim 47 wherein

the article has first and second opposite sides and wherein

the radiation is directed to the first and second opposite sides of the article and wherein

the cumulative intensity of the radiation directed to the first and second opposite sides of

5   the article is reduced, when it is determined that the cumulative amount of the radiation will be

above the second limit, so that the reduced amount of the radiation cumulatively directed to the

first and second opposite sides of the article will be between the first limit and the second limit.

REMARKS

Claims 34-50 are included in this divisional application.

Please charge any further fees payable in connection with this Amendment to our Deposit

Account No. 06-2425.

Reconsideration and allowance of the application are respectfully requested.

Respectfully submitted,

FULWIDER PATTON LEE & UTECHT, LLP

By: _Ellsworth R. Roston_
Ellsworth R. Roston
Registration No. 16,310

ERR:dmc:215435.1

Howard Hughes Center
6060 Center Drive, Tenth Floor
Los Angeles, California 90045
Tel.: (310) 824-5555
Fax: (310) 824-9696

Customer No. 24201